

Date: Thu, 9 Dec 93 23:10:28 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1444
To: Info-Hams

Info-Hams Digest Thu, 9 Dec 93 Volume 93 : Issue 1444

Today's Topics:

6-m Transverters
ARRL BOOK???WHERE???
ARRL Information Mail Server
cruise-ship HT use
ENDEAVOUR
Help! SB-200 Problem
Mobil operation vs. car computer
rec.radio.amateur.misc
Receive broadcast FM on 2m mobile antenna?
replacement transistors
Reporting Constant QRM: who?
repost: What is "RF Resistance"?
RF Ground for 2nd story shack?
Scratchi, January, 1960
Scratchi offensive to beatniks (2 msgs)
W5YI's coverage of "temporary callsigns"
Yaesu FT-530 receiver problem

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 9 Dec 93 22:35:22 GMT
From: news-mail-gateway@ucsd.edu
Subject: 6-m Transverters
To: info-hams@ucsd.edu

In answer to a repeated question about the efficacy of transverters for

6 meters..... to use with a 10-meter rig.

Many people feel that transverters are The Way To Go for 6 SSB/CW . They point out that many HF-only rigs have better filters, etc., that the cheaper rigs that cover 6.

One of the main disadvantages is the small number of 6-m transverters available. Most (all?) currently-available xverters use the common 10-W output module also used by the 10-W all-mode rigs. The cheapest available 6-to-10 xverter that I know of is the Down East Microwave unit. It looked mechanically very nice at last summer's Central States conference. You can find their ad in QST and other ham mags.

Some of the older xverters, such as the Hallicrafters HA-6, were all-tube and put out close to 100 watts. Their receive side wasn't great, being a 6CW4 Nuvistor (intermod) for rf amplifier. Transmit side output was a 5894. The 6-m HA-6 didn't have the LO frequency instability problems of the 2-m HA-2. Even there, putting a VR-90 (75?) on the B supply to the LO fixes the problem.

You'll want 100 watts or so output on 6 SSB/CW, so an amplifier will be needed with any 10 W xverter or rig. A 50-W rig is the minimum you'd want.

73 Bob w3otc@amsat.org

Date: Wed, 8 Dec 1993 02:12:13 GMT
From: mulvey!rich@uunet.uu.net
Subject: ARRL BOOK???WHERE???
To: info-hams@ucsd.edu

John A. Thweatt (thweatt@rtsg.mot.com) wrote:
: Could anyone tell me where I can purchase the ARRL handbook?

Why, from the ARRL, of course. :-) There's a small catalog enclosed in each and every issue of QST, which can be found at finer newstands everywhere. :-) Many bookstores also carry it.

What
: is the price?

\$25.00, I believe, although you can get it cheaper at hamfests.

> Also what is the difference between the different
: issues of this book (ie. Do they issue new copies each year and if so
: Why???)? If they change the issues each year, what is one of the
: better years of this publication????

They've come out every year for at least the past few years, since the laws of physics change on a regular basis. ;-) Actually, the newer ones have more digital and satellite info. I know that the 1994 edition is available, but as I'm expecting to get it for XMas, I haven't taken a close look at it yet. Any one from the past decade should be fine, especially if you can get it cheap.

- Rich

--

Rich Mulvey
rich@mulvey.com

Amateur Radio: N2VDS
"QRP is not for sissies"

Rochester, NY

Date: 7 Dec 93 18:26:17 EST
From: psinntp!arrl.org@uunet.uu.net
Subject: ARRL Information Mail Server
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, (Ken Carr, KB1AWV) writes:

>The address for the ARRL Information Mail SErver is as follows:

> info@arrl.org

>

>Your first message to them should have these lines:

> INDEXINDEX

> QUIT

>

Ah, so THAT explains all those messages received recently! :) In the above line, you should have INDEX instead of INDEXINDEX. Also do not forget to include a separate line with HELP for a brief set of instructions.

> This will get you a list of all available text files. The index will be
>delivered by E-mail in less than 2 hours. After getting the list of
>filenames, your subsequent requests would go as follows:

> SEND filename

> QUIT

>

>Ed Hare, KA1CV, seems to be involved with this (ehare@arrl.org)

>

Up until a few months ago, Ed was the HQ staff member who maintained the Information Server. That responsibility has been passed along to me, so direct any questions and/or comments about <info@arrl.org> to me at <mtracy@arrl.org>.

Just to reiterate Scott, WY1Z's comment: All of the info files are also available by anonymous FTP from <world.std.com> in the /pub/hamradio/arrl

files area.

Best Regards, Michael Tracy, KC1SX, ARRL Technical Information Services
(email: mtracy@arrl.org)

```
-----  
American Radio Relay League, Inc.      "Devoted entirely to Amateur Radio"  
225 Main Street                      Tel: 1-203-666-1541  
Newington, CT 06111                  Fax: 1-203-665-7531  
-----
```

```
-----  
Date: Wed, 8 Dec 1993 22:22:44 GMT  
From: news.Hawaii.Edu!uhunix3.uhcc.Hawaii.Edu!jherman@ames.arpa  
Subject: cruise-ship HT use  
To: info-hams@ucsd.edu
```

In article <9312082004.AA04917@metro.mccneb.edu> pmarsh@metro.mccneb.EDU writes:

```
>  
>Next Summer, a Ukrainian-flag cruise ship is departing Montreal for outer  
>banks and St Pierre/Miquelon (French territorial), and return. Some  
>travel will be in international waters.  
>  
>Assuming permission from the ship's captain, who/what agencies do I need  
>recip. licensing from, for HT operation? France? Ukraine? Wife? ---  
>aaahh - scratch last -- I'll deal with that separately.  
>  
>Paul Marsh      NOZAU      Omaha
```

Paul,

A ship represents its country of registry. While on board that ship you are subject to Ukrainian law. That might dictate what route to follow in order to secure permission to operate.

Jeff NH6IL

```
-----  
Date: Wed, 8 Dec 1993 17:12:22 GMT  
From: olivea!spool.mu.edu!bloom-beacon.mit.edu!mrcim.mcgill.edu!sifon!  
newsflash.concordia.ca!hobbit.ireq.hydro.qc.ca!barde!vaillan@uunet.uu.net  
Subject: ENDEAVOUR  
To: info-hams@ucsd.edu
```

In article AA04685@ship.net, Graham.Butler@f734.n153.z1.ship.net (Graham Butler) writes:

>Does anybody know what frequency/frequencies the Endeavour shuttle-craft

>will be using on it's latest mission to repair the Hubble?

>

Graham (VE7 BBZ)

>

I listen on 3860 every night between 7:00 and 9:00 UTC. The space walks are usually at night. The other frequencies are 7185, 14295, 21395 and 28650.

73

Clem.

Clement Vaillancourt,		Institut de Recherche d'Hydro-Quebec
Analyste,		Varennnes, P. Quebec, Canada, J3X 1S1
Informatique scientifique		Tel:+1 514 652 8238 Fax:+1 514 652 8309
vaillan@ireq.hydro.qc.ca		Radio-amateur: VE2HQJ@VE2CRL.PQ.CAN.NA

Date: Tue, 7 Dec 1993 22:49:07 GMT

From: mdisea!mothost!schbbs!news@uunet.uu.net

Subject: Help! SB-200 Problem

To: info-hams@ucsd.edu

In article <dstone.19.0@bnr.ca>, dstone@bnr.ca (Danny Stone) says:

>

>As expected, the power supply improvements generally resulted in a somewhat
>higher plate voltage and a corresponding higher RF output. HOWEVER, the
>performance on 20 Meters is greatly WORSE !!!

>

It appears to me that thet ubes are not properly driven on twenty meters. I have owned an SB200 for many years and found it critical to adjust the input matching networks to get full output power on all bands. I know that you tested the input "SWR", but what you might try real quick is to place a match box between your exciter and the amplifier to see if you can overcome an impedance mismatch easily. What might have happened is that the cathode impedance produced by your tubes changed as a result of slightly higher B+ and by your modified plate choke. Also, it appears that you are running the amp on 110 VAC by the levels of the B+. I'm not sure that the amplifier design was targeted for tube operation at slightly higher voltages. If you get higher plate current as a result of the match box between the exciter and the amplifier, you will probably have to alter the input matching network for the twenty mete band in the amplifier. To do that is easy with the proper test equipment and time consuming by hit-or-miss. Email me if you want some hints on how to do adjust the input matching network.

73's es GL

Ned Stearns, AA7A
INTERNET address ned_stearns@email.mot.com

Date: 10 Dec 93 04:54:42 GMT
From: news-mail-gateway@ucsd.edu
Subject: Mobil operation vs. car computer
To: info-hams@ucsd.edu

Hi all,
I know I'm probably re-hashing an old subject.. but I didn't pay attention before 'cause I wasn't in the market for a new car.
I remember reading in QST and elsewhere all the cautionary advice about certain automotive computer controls being knocked out by RF transmissions of over 5 watts or so.
What makes/models of new cars should I avoid? Does anybody out there have any experience with this?

Thanks, Alan WB2FZC alangut@aol.com

Date: Mon, 6 Dec 1993 20:57:11 GMT
From: haven.umd.edu!darwin.sura.net!howland.reston.ans.net!news.intercon.com!psinntp!gdstech!gdstech!bat@ames.arpa
Subject: rec.radio.amateur.misc
To: info-hams@ucsd.edu

QSL for 6Y5IC is by the callbook address.

--

* Pat Masterson D12-25 | KE2LJ@KC2FD *
* Grumman Data Systems | 516-346-6316. *
* Bethpage, NY 11746 | bat@gdstech.grumman.com *

Date: Fri, 10 Dec 1993 00:32:57 GMT
From: pacbell.com!sgiblab!swrinde!cs.utexas.edu!math.ohio-state.edu!
magnus.acs.ohio-state.edu!csn!col.hp.com!news.dtc.hp.com!hpscit.sc.hp.com!
cupnews0.cup.hp.com!news1.boi.hp.com!riyadth@@
Subject: Receive broadcast FM on 2m mobile antenna?
To: info-hams@ucsd.edu

Hello,

I was wondering.. (here I go, getting myself in trouble again!) .. if

it would be possible to install a 2m antenna on my car in place of my standard antenna, and have some type of adapter that would allow me to use it with a(n) HT and also with my stereo (without damaging either one). Has anyone tried this? I don't know how broadcast AM/FM reception will be affected, but everything I listen to around here can be heard with little or no antenna at all, so I don't think that will suffer too much.

I remember seeing combination CB/AM/FM antennas advertised in the past, with some kind of isolator to prevent the CB from overloading the AM/FM receiver. Is there any similar product for Amateur Radio use? Otherwise, I guess I'll just buy a magnetic mount antenna for amateur use -- but it sure would be nice to have a more permanent solution.

-Riyadth Al-Kazily
riyadth@boi.hp.com

--

{ Riyadth Al-Kazily	KB7YWE	DoD #295	'83 BMW R65	'77 Volvo 242DL	}
{ riyadth@boi.hp.com		When am i going to have time to use all this			}
{ (208) 396-4987		stuff I'm collecting?	More important, how can		}
{ Boise, Idaho		I get more stuff?	Amiga 500+ (+ stuff, that is)		}

Date: 9 Dec 93 16:06:45 GMT
From: ogicse!cs.uoregon.edu!sgiblab!swrinde!cs.utexas.edu!cactus.org!
majec@network.ucsd.edu
Subject: replacement transistors
To: info-hams@ucsd.edu

A question. I am about to build a 4 to 6 watt amp, the design of which comes from page 61 of the Solid State Design book by the ARRL. They call for a GE D446C transistor, and suggest a 2n5321 as a replacement worth experimenting with. Well being very new to this hobby I am not sure if the design of the amp is highly dependent on the characteristics of those particular devices or can I substitute another device. If any of you are familiar with the amp design please make some suggestions for replacement transistors for me.
Thanks

Ed Guinn
kb5ruf
majec@cactus.org

Date: Wed, 8 Dec 1993 01:37:02 GMT

From: library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!
vixen.cso.uiuc.edu!sdd.hp.com!hpscit.sc.hp.com!news.dtc.hp.com!srngenprp!
alanb@network.ucsd.edu
Subject: Reporting Constant QRM: who?
To: info-hams@ucsd.edu

Erik Sorgatz (sorgatz@avatar.tti.com) wrote:
: In article <1993Dec2.011931.21694@cyphyn.radnet.com> randy@cyphyn.radnet.com
(Randy) writes:

: >For the past couple of years this one guy (who everyone knows) has
: >been causing malicious QRM on 80 40 10 and 2 meters...

: ...wise up, understand that the ARRL isn't gonna do a goddamn thing,
: and in 99% of the cases, neither is the FCC. ...

: Take the bastard out, one way or another. ...

: ... steal his car!...then offer him a ride home..via
: the scenic route...say 250 miles out of town?

Obviously that kind of thing is a cure worse than the disease.

Regarding ARRL and FCC not doing anything: They both would love to do
something about bootleggers, but as most people know this can be a very
difficult problem to solve.

The situation is not very different from having an obnoxious neighbor
living next door. If the neighbor has an IQ in the double digits, it's
not hard for him to find countless ways to harass you without getting
caught. Do you think your local Sheriff's office is going to post
a deputy at your house 24 hours a day waiting for the next time the
neighbor throws some garbage over the fence into your yard? Not while
there are unsolved murders, rapes and robberies to solve.

Fortunately, most of these anti-social types are not very intelligent
and tend to make dumb mistakes. If they keep up the shenanigans long
enough, and the local amateur auxiliary is diligent and patient enough,
it is possible to get the goods on them. There have been a number of
successful cases prosecuted. But it's not easy.

AL N1AL

Date: Wed, 8 Dec 1993 01:42:22 GMT

From: library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!cs.utexas.edu!
sdd.hp.com!hpscit.sc.hp.com!news.dtc.hp.com!srngenprp!alanb@network.ucsd.edu
Subject: repost: What is "RF Resistance"?

To: info-hams@ucsd.edu

Thomas J. Farish (tjf@beta.lanl.gov) wrote:

: First post didn't make it out...sorry if it get duplicated later...

: I was looking over an ad for the MFJ SWR-analyzers. One had an optional
: "RF Resistance" meter. What is RF resistance? Is is the real part of
: the complex impedance, the absolute value of the impedance or something
: else?

The real part of the complex impedance. (I'm not sure exactly what
the MFJ analyzer measures, however.)

: How does an "RF resistance meter" differ from one for DC?

The complex impedance is different at different frequencies. So the
real part is likely different at DC (0 Hz) than at RF frequencies.

AL N1AL

Date: Mon, 6 Dec 1993 21:07:26 GMT

From: agate!howland.reston.ans.net!news.intercon.com!psinnntp!gdstech!gdstech!
bat@ames.arpa

Subject: RF Ground for 2nd story shack?

To: info-hams@ucsd.edu

Rich, the heaviness of the cable is not the issue for an RF
ground. It IS important for lightning strikes. The problem
for RF, is that if the electrical length of the ground is
not quite correct (multiples of quarter wave length),
RF wont run off it. So, many of us have 2 or 3 copper rods
in the ground, a few feet apart. The cable coming down from the shack
connects to the first rod, then the second, then the third.
It is hoped that ONE of these rods will be at the right
electrical length to bleed off the RF.

--

* Pat Masterson D12-25 | KE2LJ@KC2FD *
* Grumman Data Systems | 516-346-6316. *
* Bethpage, NY 11746 | bat@gdstech.grumman.com *

Date: 10 Dec 93 06:16:17 GMT

From: ogicse!cs.uoregon.edu!sgiblab!brunix!doorknob!sds@network.ucsd.edu

Subject: Scratchi, January, 1960
To: info-hams@ucsd.edu

In article <2e7sj4\$o3l@nntpd.lkg.dec.com> dm_johnson@dave.enet.dec.com (Dennis Johnson) writes:

.... If Greg truly believes in
what he says then he should be evaluating why he has received 1 supporting
message and roughly 10-15 responses questioning his message.

I haven't "given a supporting message" because I think that the point
of this newsgroup is ham radio. Pure and simple. The diversions
should really lie in rrap, if anywhere (no flamebait intended). In
any event, I will say that I find out-of-date stereotypes
questionable; but I tend to be desensitized to them because I "filter
them out", as I [wrongly] assume most people know better than to have
that kind of silly prejudice in today's more enlightened times.

ObRadio: Is there any experimentation with ultra-high speed data mode
going on? I'm talking in the 56kbit - 10 Mbit per second range. Who
would one talk to about these? Many thanks in advance.

>> Scott Swanson - scott_swanson@brown.edu - n9sat

Date: 7 Dec 93 22:22:05 GMT
From: ucsnews!sol.ctr.columbia.edu!math.ohio-state.edu!news.cyberstore.ca!
nntp.cs.ubc.ca!unixg.ubc.ca!kakwa.ucs.ualberta.ca!alberta!atha!
aupair.cs.athabascau.ca!tech@network.ucsd.edu
Subject: Scratchi offensive to beatniks
To: info-hams@ucsd.edu

I am deeply offended by this "Scratchi" article, it is a pointed attack at
beatniks in that it implies that they are shallow and only interested in fun
and girls while guys in black leather jackets are good and pure.

Any surviving beatniks who may read this groups will no doubt feel alienated
or degraded. It is possible that some of those ex beatniks may even collapsed
over their walkers and died of the shock.

None of the black leather jacket crowd survived to feel vindicated, they
crashed their Harleys years ago.

--

Richard Loken VE6BSV	:	"...underneath those
Athabasca University, Athabasca, Alberta Canada	:	tuques we wear, our heads
tech@cs.AthabascaU.CA	:	are naked!"
{atha aunro}@cs.athabascau.ca!tech	:	- Aurthor Black

Date: Fri, 10 Dec 1993 01:16:21 GMT
From: news.service.uci.edu!ttinews!avatar!sorgatz@network.ucsd.edu
Subject: Scratchi offensive to beatniks
To: info-hams@ucsd.edu

In article <3086@aupair.cs.athabascau.ca> tech@cs.athabascau.ca (Richard Loken) writes:

>I am deeply offended by this "Scratchi" article, it is a pointed attack at
>beatniks in that it implies that they are shallow and only interested in fun
>and girls while guys in black leather jackets are good and pure.

>
>Any surviving beatniks who may read this groups will no doubt feel alienated
>or degraded. It is possible that some of those ex beatniks may even collapsed
>over their walkers and died of the shock.

>
>None of the black leather jacket crowd survived to feel vindicated, they
>crashed their Harleys years ago.

>
Speaking as "THE VERY-LAST BEATNIK" it is my hippest pleasure to inform you
that the Scratchi article, while very cool, was in no way offensive. Also
speaking as a leather jacket type who hasn't crashed lately, it was neither
a pro-biker article. Scratchi was, rather a Zen unto itself!

peace and '73!

-Avatar-> (aka: Erik K. Sorgatz) KB6LUY +-----+
TTI(es@soldev.tti.com)or: sorgatz@avatar.tti.com *Government produces NOTHING!*
3100 Ocean Park Blvd. Santa Monica, CA 90405 +-----+
(OPINIONS EXPRESSED DO NOT REFLECT THE VIEWS OF CITICORP OR ITS MANAGEMENT!)

Date: 7 Dec 1993 22:57:13 -0600
From: ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!vixen.cso.uiuc.edu!
moe.ksu.ksu.edu!cbr600@network.ucsd.edu
Subject: W5YI's coverage of "temporary callsigns"
To: info-hams@ucsd.edu

In article <1993Dec7.183422.29800@cs.brown.edu>, md@maxcy2.maxcy.brown.edu
(Michael P. Deignan) writes:

> mebly@eng.umd.edu writes:

>
> > You can't do it this way. (HINT: Ever wonder why /AT isn't used for
> > technician upgrades?)

>
> No, I'm clueless. Why isn't /AT used for tech upgrades?
>
> MD
> --
> -- Michael P. Deignan
> -- Population Studies & Training Center
> -- Brown University, Box 1916, Providence, RI 02912
> -- (401) 863-7284

Well, it's because AT is not a valid prefix for US operation (or that's what I'm told). US only has the prefixes AA-AL so AT would be an invalid prefix for the united states. That's also why we can't have A prefix's for 1x3 Tech/General callsigns. :(Here in 0-land, we're just about out of 1x3 calls and most other areas are already out of them. Seems to me instead of dropping down to 2x3 Novice the FCC should start recycling old w0 and k0 calls that are no longer used! Oh, well, whoever said the buearucracy was sane.

Smiley's implied, of course!!!

Jeremy L. Utley | jlu@cygnus.cis.ksu.edu
Computer Science Dept. | cbr600@matt.ksu.ksu.edu
Student | cbr600@ksuvm.bitnet
Kansas State Univ. | bxth85a (Prodigy)
A.S. Comp. Sci. & Acctg. | NOYAX@N00ER.#NEKS.KS.USA.NA

Date: Thu, 9 Dec 1993 05:14:56 GMT
From: usc!sol.ctr.columbia.edu!spool.mu.edu!uwm.edu!vixen.cso.uiuc.edu!uchinews!
att-out!cbnewsj!ker@network.ucsd.edu
Subject: Yaesu FT-530 receiver problem
To: info-hams@ucsd.edu

Has anyone noticed a problem with their FT-530, with weak 2 meter signals having a clicking sound, something like automobile ignition noise, on the received audio? My radio exhibited this problem and so did my friends brand-new unit. Other friends didn't notice this problem on the 530s until I pointed it out to them. Apparently it's quite a widespread problem. The noise originates in the radio! I've held other 2 Meter HTs side-by-side with the 530 and the other radios also pick up this noise.

A call to Yaesu revealed this is a known problem and they have a fix to eliminate the noise. Just wanted to let the net know just in case anyone's warranty is about to expire.

My friend's radio has been repaired already by Yaesu. He reports the noise is now gone. My radio's on the way back from California as I type this. Hopefully mine is fixed too!

End of Info-Hams Digest V93 #1444
